

This Page Is Inserted by IFW Operations
and is not a part of the Official Record

BEST AVAILABLE IMAGES

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images may include (but are not limited to):

- BLACK BORDERS
- TEXT CUT OFF AT TOP, BOTTOM OR SIDES
- FADED TEXT
- ILLEGIBLE TEXT
- SKEWED/SLANTED IMAGES
- COLORED PHOTOS
- BLACK OR VERY BLACK AND WHITE DARK PHOTOS
- GRAY SCALE DOCUMENTS

IMAGES ARE BEST AVAILABLE COPY.

**As rescanning documents *will not* correct images,
please do not report the images to the
Image Problem Mailbox.**

DECLARATION FOR ORIGINAL U.S. PATENT APPLICATION

Attorney's Docket No. ALTRP099/A1197

As a below-named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe that I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled: **MODULATED FLIP CHIP SUBSTRATE DESIGN**, the specification of which,

(check one)

1. is attached hereto.
2. was filed on _____ as
U.S. Application No. _____
and was amended on _____.
3. was filed on _____ as
International PCT Application No. _____
and was amended on _____.

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to the examination of this application in accordance with Title 37, CFR §1.56.

I hereby claim foreign priority benefits under Title 35, United States code, § 119 of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

Prior Foreign Application(s)

Priority Benefits Claimed?

_____ (Appl. No.) _____ (Country) _____ (Filing Date)

Yes No

_____ (Appl. No.) _____ (Country) _____ (Filing Date)

Yes No

I hereby claim the benefit under 35 U.S.C. §119(e) of any United States provisional application(s) listed below:

Prior Provisional Application(s)

_____ (Application No.) _____ (Filing Date)

_____ (Application No.) _____ (Filing Date)

I hereby claim the benefit under Title 35, United States Code, § 120 of any United States application(s), or § 365(c) of any PCT International application designating the United States, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT International application in the manner provided by the first paragraph of Title 35, United States Code, § 112, I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations, § 1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application:

Prior U.S. Application(s)

(Application No.)	(Filing Date)	(Status - patented, pending, abandoned)
(Application No.)	(Filing Date)	(Status - patented, pending, abandoned)

Direct Correspondence To:

Customer Number: 022434

22434

Direct Telephone Calls To:

Desmund Gean at telephone number (510) 843-6200

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

Typewritten Full Name of

First Inventor: Vincent Hool

Citizenship: United States

Inventor's signature:



Date of Signature: 2/10/04

Residence: (City) Fremont

(State/Country) CA/US

Post Office Address:

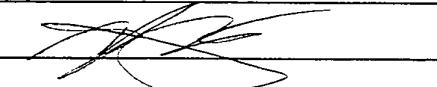
4560 Benedick Court, Fremont, CA 94555

Typewritten Full Name of

Second Inventor: John Yuanlin Xie

Citizenship: United States

Inventor's signature:



Date of Signature: 2/11/04

Residence: (City) Fremont

(State/Country) CA/US

Post Office Address:

39575 Benavente Avenue, Fremont, CA 94539

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

PATENT

In re application of: Vincent Hool, et al.

Attorney Docket No.:
ALTRP099/A1197

Application No.: NEW

Examiner: UNASSIGNED

Filed: HEREWITH

Group: UNASSIGNED

Title: MODULATED FLIP CHIP SUBSTRATE
DESIGN

POWER OF ATTORNEY
AND CERTIFICATION UNDER 37 CFR 3.73(b)

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

Pursuant to 37 C.F.R. §§1.36 and 3.71, **ALTERA CORPORATION**, ("assignee"), a Delaware corporation having a place of business at 101 Innovation Drive, San Jose, California 95134, assignee of record of the entire interest of the above-identified application, hereby revokes all powers of attorney previously given and appoints the following attorneys and agents to prosecute and transact all business in the U.S. Patent and Trademark Office connected therewith: Steve D Beyer (Reg. No. 31,234); Jeffrey K. Weaver (Reg. No. 31,314); C. Douglass Thomas (Reg. No. 32,947); Jonathan O. Scott (Reg. No. 39,364); James E. Austin (Reg. No. 39,489); Joseph M. Villeneuve (Reg. No. 37,460); Thomas C. Sylke (Reg. No. 32,312); Godfrey K. Kwan (Reg. No. 46,850); Desmund Gean (Reg. No. 52,937) all of the law firm of BEYER, WEAVER & THOMAS, LLP, and Derek E. Minihane, Reg. No. 39,774 of ALTERA CORPORATION, with full power of substitution and revocation, to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith.

Please send all correspondence for this application as follows:

Customer Number: 022434

22434

Please direct any calls to **Desmund Gean** at (510) 843-6200.

Pursuant to 37 C.F.R. § 3.73, assignee certifies that to the best of assignee's knowledge and belief it is the assignee of the entire right, title, and interest in and to the above-referenced patent application and represents that the undersigned is a representative authorized and empowered to sign on behalf of the assignee. Assignee has reviewed the assignment document that evidences the placement of title in the assignee, a true and correct copy of which is attached hereto.

Pursuant to 37 C.F.R. §3.71, the assignee hereby states that prosecution of the above-referenced patent application is to be conducted to the exclusion of the inventor(s).

ALTERA CORPORATION

Date 2/17/04



Derek E. Minihane
Director, Intellectual Property Law and Assistant Secretary